



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)



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The Eastern Iowa DX Bulletin

Number 248, November 15, 2024

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Note that articles may be edited for grammar, language, style and accuracy and will remain in *The Bulletin* while active; articles that are announcements of ongoing operations, or that have no specified end date, will be removed after three weeks.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Ohio-Penn DX Bulletin (OPDX)

Edited by Tedd Mirgliotta, KB8NW. Although OPDX is no longer published as a weekly bulletin, Tedd still sends DX news emails.

We will occasionally publish some of them.

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

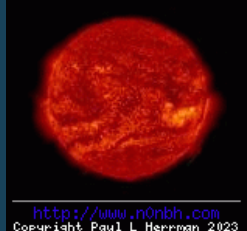
Dr. Tony Phillips' [SpaceWeather.com](http://www.SpaceWeather.com), used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)



Solar-Terrestrial Data

16 Nov 2024 1810 GMT
SFI: 149 SN: 71
A-Index: 13
K-Index: 1
X-Ray: C1.5
304A: 139.9 @ SEM
Ptn Flx: 20
Elc Flx: 2850
Aurora: 1/n=1.99
Mag (Bz): 1.5
Solar Wind: 364.4
Geomag Field VR QUIET
Sig Noise Lvl S0-S1
Current Solar Image



<http://www.nonbh.com>
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DX News

3B9, RODRIGUES I. Kazu, MØCFW is QRV as **3B9/MØCFW** until **November 27th**. Activity is on the HF bands. He will be active as **3B9KW** in the upcoming CQ WW DX SSB Contest (October 26th-27th), and the CQ WW DX CW Contest (November 23rd-24th). QSL via LoTW.
-[ARRL DX Bulletin # 39 October 17, 2024] (1018-1129)

3D2, FIJI. Theo, PA3CBH will be active as **3D2TP** from Viti Levu (OC-016) until **December 12th**. He will operate QRP on SSB and QRS CW. QSL via [PA3CBH](#).

-[425DXN # 1748 November 2, 2024] (1108-1213)

3D2/R, ROTUMA I. An international team (W6IZT, W2FQ, K4NHW KD9LSV, MØSDV, LY7J) is leading a larger group of young remote operators (43 ops, including 4 YLs) in a DXpedition to Rotuma (OC-060). QRV **until December 4th** as **3D2Y** with RIB (Radio In a Box) equipment on 160-6m, including 60m, on CW, SSB, FT8. In addition, they will be taking part in the CQ WW CW Contest (November 23rd-24th) using another callsign, yet to be determined. For more information see:

<https://rotuma2024.com/>. QSL via [MØOXO's OQRS](#).

-[DXNL # 2432 November 13, 2024] (1115-1206)

5R, MADAGASCAR. Eric, F6ICX is active again as **5R8IC** from Sainte-Marie Island (AF-090), Madagascar **until the end of the year**. He will operate mainly CW on 40-10 meters; during the last two weeks of December he will also be QRV on the QO-100 satellite. QSL via LoTW, [ClubLog's OQRS](#), or via [F6ICX](#).

-[425DXN # 1742 September 21, 2024] (0927-0103)

5X, UGANDA. Don, G3XTT as **5X1DF** (CW and some FT8) and Alan, G3XAQ as **5X1XA** (CW) will be active from Uganda on **November 13th to 27th**. Their main activity will be during the CQ WW DX CW Contest (November 23rd-24th), in which they will participate as single-band entrants. QSL 5X1DF via [G3XTT](#); QSL 5X1XA via [G3SWH's OQRS](#).

-[425DXN # 1746 October 19, 2024] (1108-1129)

7P, LESOTHO. Wolfgang, HB9CSS is QRV as **7P8EA** **until November 21st**. Activity is in his spare time on 15, 12, and 10 meters using CW and SSB. QSL to [HB9CSS](#).

-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1122)

7Q, MALAWI. Don, K6ZO, reports about a new radio amateur in Malawi, 17-year-old Mwabi Mughogho, whose callsign is **7Q2MM**. He is active on SSB and FT8 and is also learning CW. QSL only via OQRS.

-[DXNL # 2430 October 30, 2024] (1101-1122)

8R, GUYANA. Aldir, PY1SAD is active as **8R1TM** from Georgetown, Guyana until **November 24th**. He operates CW, SSB and digital modes on all bands and via satellite. QSL via LoTW, eQSL, QRZ Logbook, or direct to [PY1SAD](#).

-[425DXN # 1743 September 28, 2024] (1011-1129)

9M6, EAST MALAYSIA. Saty, JE1JKL is active again as **9M6NA** from Labuan Island (OC-133), East Malaysia until **November 25th**. He will participate in the CQ WW DX CW Contest (November 23rd-24th) (SOAB HP). QSL via LoTW and [ClubLog's OQRS](#).

-[425DXN # 1745 October 12, 2024] (1018-1129)

A4, OMAN. Special callsign **A43ND** will be used by the Royal Omani Amateur Radio Society on **November 16th-20th** to celebrate Oman National Day (November 18th). QSL via [EC6DX](#), LoTW, eQSL.

Also taking part in the celebrations will be:

* The Emirates Amateur Radio Society as **A6ØOMA** on **November 12th-18th**
(QSL via [EA7ETR](#));

Individual operators may append a serial number to the special callsign, and be QRV as **A6ØOMA/Ø**, **A6ØOMA/1**, etc.
(see qrz.com for the QSL routes);

* The Bahrain Amateur Radio Society as **A91OMA** on **November 12th-18th**
(QSL via [EC6DX](#) and LoTW);

* The Kuwait Amateur Radio Society as **9K9OMAN** on **November 14th-20th**
(QSL via [EC6DX](#));

* The Saudi Amateur Radio Society (HZ1SAR) as **HZ1OMAN**.

-[425DXN # 1750 November 16, 2024] (1115-1122)

AP, PAKISTAN. Tariq, **AP2TN** has been active on 10 meters using FT8 around 1300z. QSL to [N4BAA](#).

-[ARRL DX Bulletin # 42 November 7, 2024] (1108-1129)

C6, BAHAMAS. Brian, ND3F will be active again as **C6AQQ** from New Providence (NA-001), Bahamas on **November 21st-28th**. He will operate mainly CW, including an entry in the CQ WW DX CW Contest (November 23rd-24th), with some FT8/FT4 outside the contest weekend. QSL via LoTW, eQSL, or direct to [ND3F](#).

-[425DXN # 1750 November 16, 2024] (1115-1129)

CARIBBEAN TOUR. Alex, EA8DBM, tours the Caribbean and stops according to the following itinerary:

November 1-3. **PJ7/EA8DBM**,
 November 4-9. **PJ5/EA8DBM**,
 November 10-13. **FS/EA8DBM**,
 November 14-18. **FJ/EA8DBM**,
 November 19-24. **KP4/EA8DBM**

QSL direct to [EA8DBM](#), via bureau to LY5CA, or LoTW.

-[DXNL # 2430 October 30, 2024] (1101-1129)

CARIBBEAN TOUR. Rudy, DK7PE, tours the Caribbean **during November** with stops as. **VP2MCW**, **V4/DK7PE**, **ZF2PE**, **PJ4/DK7PE/p**.

-[DXNL # 2430 October 30, 2024] (1101-1129)

CE, CHILE. A group of operators are QRV as **3G7X** from Chiloe Island (SA-018) **until November 30th**. Activity is on 160 to 6 meters using all modes. They plan to be active as **XR7X** in the upcoming CQ Worldwide DX CW contest (November 23rd-24th). QSL via LoTW.

-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1129)

CE9, ANTARCTICA. Oleg, ZS1ANF is QRV as **ZS7ANF** from Wolf's Fang Runway, Queen Maud Land (AN-016) **until late February 2025**. Activity is on 40 to 10 meters using mainly CW. QSL via [DL5EBE](#), [RK1PWA](#), or LoTW.

-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1206)

CE9, ANTARCTICA. David, F4FKT will be QRV as **FT4YM** from Concordia Base (AN-017) from November **until the end of January 2025**. Activity will be on 20, 17, and 15 meters. He also plans to be active from the Zuccheli and Cassey bases on 40 meters. QSL via [F5PEP](#).

-[ARRL DX Bulletin # 41 October 31, 2024] (1101-1122)

CT, PORTUGAL. CT1EXR, CT1FGR and CT5KAO will be active as **CR56MX** on **November 21st-26th** from the Fortress of Sagres, located in rare grid IM56mx. They will concentrate on 6 and 2 meters FT8 and SSB. QSL via LoTW.

-[425DXN # 1750 November 16, 2024] (1115-1129)

DL, GERMANY. Germany's DX newsletter DXMB celebrates its 70th anniversary with the callsign **DM7ØDXMB** (special DOK 7ØDXMB). QSLs will be sent automatically via the bureau.

-[DXNL # 2431 November 6, 2024] (1108-1129)

DL, GERMANY. Ric, DL2VFR, takes the callsign **DM6ØIOTA** to Sylt (EU-042) from **November 9th to 17th**. QSL via bureau, [ClubLog's OQRS](#), LoTW.

-[DXNL # 2431 November 6, 2024] (1108-1122)

DL, GERMANY. Special callsign **DM7ØDXMB** will be activated by DARC Team SES to mark the 70th anniversary of DARC's DX Newsletter DXMB (DX-Mitteilungsblatt) from **November 1st to December 13**. All QSOs will be confirmed automatically via the bureau; direct cards via [DL2VFR](#).

-[425DXN # 1748 November 2, 2024] (1101-1213)

DL, GERMANY. Special callsign **DF2ØDCL** marks the 20th anniversary of the DARC Community Logbook for DARC Team SES from **October 18th to November 29th**. The DCL is a web-based application system for a wide range of DARC awards: <https://dcl.darc.de/public/>. QSL: All QSOs will be confirmed automatically via the bureau; or QSL direct via [DL2VFR](#).

-[425DXN # 1747 October 26, 2024] (1025-1129)

DU, PHILIPPINES. New vanity call **DUØA** was issued to Tim, 4F1GN (aka 4G1G, NP4TT, N4GN) on November 6th. He plans to use it "almost exclusively" from now on. "We are currently building a competitive contest station here at DUØA", he says, "where we hope to start breaking some regional records. Our first big operation will be during CQ WW DX CW Contest (**November 23rd-24th**), where we will have a strong team of operators in the multi-single category". QSL via LoTW (preferred), or direct to [KU9C](#).

-[425DXN # 1749 November 9, 2024] (1108-1129)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of November 14, 2024:

1. P5	DPRK (North Korea)	11. ZS8	Prince Edward & Marion Islands
2. BS7H	Scarborough Reef	12. KH4	Midway Island
3. CEØX	San Felix Islands	13. VKØM	Macquarie Island
4. BV9P	Pratas Island	14. PYØS	Saint Peter And Paul Rocks
5. KH7K	Kure Island	15. KP5	Desecheo Island
6. KH3	Johnston Island	16. VPØS	South Sandwich Islands
7. 3Y/P	Peter 1 Island	17. ZL9	New Zealand Subantarctic Islands
8. FT5/X	Kerguelen Island	18. FK/C	Chesterfield Islands
9. YVØ	Aves Island	19. VKØH	Heard Island
10. 3Y/B	Bouvet Island	20. FT/T	Tromelin Island

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF November 15, 2024] (1115-1206)

E5/S, SOUTH COOKS IS. Stan, LZ1GC and Ted LZ5QZ are active as **E51SGC** from Rarotonga (OC-013), South Cook until **November 24th**. They operate CW, SSB, FT4, FT8 and RTTY on 160-6 meters with three stations and a focus on 160, 80 and 60m. More information is available on <https://www.c21gc.com/>. QSL via [ClubLog's OQRS](#) (preferred), LoTW, or via [LZ1GC](#).

-[425DXN # 1737 August 17, 2024] (1101-1129)

E7, BOSNIA-HERZEGOVINA. Celebrating Statehood Day of Bosnia and Herzegovina (November 25th), special callsign **E7BOSNIA** will be active on various bands and modes on **November 10th-25th**. A certificate will be available, see <https://www.qrz.com/db/E7BOSNIA> for more information. QSL via LoTW.

-[425DXN # 1749 November 9, 2024] (1108-1129)

EUROPEAN DX FOUNDATION 38 YEARS. The following special event Callsigns celebrate the EUDXF anniversary **during November**: **VK38EUDXF** (VK2WN/SP7WT), **DU38EUDXF** (DV1K), **DLØEUF**, **HA38EUDXF** (HA5MA), **ON38EUDXF** (ON6CC), **PA38EUDXF** (PA1AW), **PB38EUDXF** (PB5X), **PC38EUDXF** (PC5F), **PD38EUDXF** (PD4RD), **PF38EUDXF** (PB7Z), **PG38EUDXF** (PG5M), **PH38EUDXF** (PA3GVQ), **PI38EUDXF** (PI4COM), **PE38EUDXF**.

-[DXNL # 2430 October 30, 2024] (1101-1129)

FO, FRENCH POLYNESIA. Watch for **FO/N5LCP** to be active from Bora Bora (OC-067), French Polynesia from **November 11th to 16th**. He will operate SSB and FT8 mainly on 20 and 15 meters. QSL via LoTW, eQSL, or direct to [N5LCP](#).

-[425DXN # 1749 November 9, 2024] (1108-1122)

FR, REUNION I. Jean-Marc, F5SGI is active as **FR/F5SGI** from Reunion Island (AF-016) until **November 18th**. He operates CW only on 40-10 meters. All QSOs will be confirmed automatically via the bureau and LoTW.

-[425DXN # 1748 November 2, 2024] (1101-1122)

FS, SAINT MARTIN. Gary, **FS/KC9EE**, will be operating from **November 19th to 29th**. QSL via LoTW. -[DXNL # 2432 November 13, 2024] (1115-1129)

FW, WALLIS & FUTUNA IS. Bob, W7YAQ and Al, K7AR will be active as **FW7AA** from Wallis Island (OC-054) on **November 16th-29th**. Active on CW, SSB, and FT8. QSL via LoTW, [ClubLog's OQRS](#), or via [W7YAQ](#).

-[425DXN # 1747 October 26, 2024] (1115-1129)

FY, FRENCH GUIANA. Rikk, WE9G is QRV as **FY/WE9G** from Matoury until **November 23rd**. Activity is on 80 to 6 meters using mostly FT8 with SuperFox or MSHV, and some CW, SSB, and FT4. QSL via

[ClubLog's OQRS](#), LoTW, or via [WE9G](#).

-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1122)

HC8, GALAPAGOS IS. K2IN (HC5CW) and HC2AP will be active as **HD8CW** from San Cristobal, Galapagos Islands (SA-004) on **November 19th-28th**. They will operate CW, SSB and FT8 with two stations, and will participate in the CQ WW DX CW Contest (November 23rd-24th) as **HC5CW/8**. QSLs via [MØOXO's OQRS](#).

-[425DXN # 1747 October 26, 2024] (1115-1129)

I, ITALY. The 4U1GSC Amateur Radio Club will use special callsign **4U3ØB** to mark the 30th anniversary of the United Nations Global Service Centre in Brindisi, Italy. Look for activity from **November 15th to December 31st**. QSL via [9A2AA](#).

-[425DXN # 1747 October 26, 2024] (1115-1227)

I, ITALY. Celebrating the 100th anniversary of the start of regular radio broadcasting in Italy (October 6, 1924), ARI local branches across Italy are using special callsigns until **December 29th**. The callsigns will be in the format **II#Rxyz** (e.g. I19RCAT for ARI Catania) and **IR#Rxyz** (e.g. IR1RVDB for ARI Valbormida). In addition, special event station **I1MRTV** will be active from the RAI Radio and Television Museum in Torino. Certificates and electronic QSLs will be available for download from the HamAward platform (direct link from each special callsign's qrz.com page).

-[425DXN # 1743 September 28, 2024] (0927-1227)

JA, JAPAN. Take, JI3DST is active as **JS6RRR** from Miyako Island (AS-079) **until November 25th**, including activity during the CQ WW DX SSB and CW contests. Other callsigns to be used are **JI3DST/6**, **JJ5RBH/6** and **JR8YLY/6** on CW and SSB, as well as **JI3DST/p**, **JJ5RBH/p** and **JR8YLY/p** on FT8. QSOs will be made available for ClubLog and LoTW Matching on the IOTA website.

-[425DXN # 1744 October 5, 2024] (1004-1129)

JD1/M, MINAMI TORISHIMA. Take, JG8NQJ is QRV as **JG8NQJ/JD1** from Marcus Island, IOTA OC-073, **until the beginning of March 2025**. Activity is in his spare time on the HF bands using CW and FT8. QSL via [JA8CJY](#) (direct), [JG8NQJ](#) (bureau) and LoTW.

-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1206)

ON, BELGIUM. Special event station **ØØ8ØBB** will be QRV from **November 16th to December 15th** to commemorate the 80th anniversary of the Battle of the Bulge during World War II. QSL via [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1213)

OX, GREENLAND. Nadia, OZ7AM and Dave, OZ5DM will be operating as **OX7AM** and **OX5DM** from Greenland (NA-018) from **November 18th to December 2nd**, including the CQ WW CW Contest (November 23rd-24th). QSL via [OZ1ACB](#).

-[DXNL # 2432 November 13, 2024] (1115-1206)

PA, NETHERLANDS. Members of Radio Club Limburg will be active as **PF16F** until November 30th (<https://rc1b.nl/pf16f>). This special event is intended to be a "Farewell to the Fighting Falcon", as the Royal Netherlands Air Force has officially retired its F-16 jets after 45 years of service. All QSOs will be confirmed automatically via the bureau, direct cards should be sent to [PD8RW](#).

-[425DXN # 1747 October 26, 2024] (1101-1129)

PJ5, SABA & ST. EUSTATIUS. Dave, WJ2O will be QRV as **PJ6/WJ2O** from Saba (NA-145) from **November 17th to 26th**. This includes being an entry in the upcoming CQ Worldwide DX CW contest (November 23rd-24th). QSL via [N2ZN](#).

-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1129)

PJ7, SINT MAARTEN. Ed, N2HX, plans to put Sint Maarten (NA-105) on the air from **October 20th to December 27th** as **PJ7PL**, including the CQ WW DX SSB Contest (October 26th-27th), the CQ WW DX CW Contest (November 23rd-24th) and ARRL 10-Meter Contest (December 14th-15th). QSL via [N2HX](#).

-[DXNL # 2428 October 16, 2024] (1018-1227)

PY, BRAZIL. Special station **PR5LM** will be active on various bands and modes, and on QO-100, throughout the **month of November** in honor of the memory of Father Roberto Landell de Moura (1861-1928), a pioneer of wireless audio transmission. QSL via [SP7CVW](#) and LoTW.
-[425DXN # 1747 October 26, 2024] (1101-1129)

PZ, SURINAME. Members of the Royal Netherlands Army Signal Regiment (PI4VBD) will be active again as **PZ5JT** during the annual Jungle Warfare Training course in Suriname for **a few weeks in October-November**. The operators will be QRV in their spare time on 40, 20, 17, 15 and 10m SSB using military equipment. QSL direct to [PI4VBD](#).
-[425DXN # 1743 September 28, 2024] (1018-1122)

S9, SAO TOME & PRINCIPE. A large group of operators are QRV as **S9Z** from Sao Tome (AS-023) **until November 20th**. Activity is on 160 to 6 meters, 70 centimeters EME, and on Satellite QO-100, using CW, SSB, and various digital modes. See <https://s9z.org/> for more information and updates. QSL via [K4NHW](#), [ClubLog's OQRS](#) or LoTW.
-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1122)

SM, SWEDEN. Members of the Gotland Radio Club, SK1BL, will be active **in November** as **SE8ØTG** to commemorate the 80th anniversary of the "Hansa" tragedy. The "Hansa" was a Swedish passenger ship, in use on the route between the mainland and Visby. She was torpedoed and sunk by a Soviet submarine during World War II (November 24, 1944); 84 people died and only two survived. QSL via the bureau.
-[425DXN # 1747 October 26, 2024] (1101-1129)

SP, POLAND. The Bydgoszcz Amateur Radio Club (SP2PBY) will be active as **SN4BUW**, **SN6IW**, **SN7ESH** and **SN6IU** on **November 18th-23rd** to honor the memory of Henryk Kruszynski SP2BUW (1957-2020), Ryszard Czerwinski SP2IW (1932-2018), Boleslaw Krzymin SP2ESH (1936-2016) and Zbigniew Gorgolewski SP2IU (1933-2017). QSLs via [SP2PBY](#).
-[425DXN # 1750 November 16, 2024] (1115-1122)

T8, PALAU. Nobu, JH1OLB and Tony, JH1FFW are QRV as **T88DT** and **T88RC**, respectively, from Koror Island (OC-009) **until November 20th**. Activity is on 80 to 10 meters using SSB and FT8. QSL via LoTW.
-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1122)

TR, GABON. Roland, F8EN (ex CN8EM, FO8BV, 3C3CR), who is 96 years old now, is currently back on the air as **TR8CR**. QRV on CW **until the end of January**. Log search on <http://LesNouvellesDX.fr/voirlogs.php>. QSL via [F6AJA](#).
-[DXNL # 2430 October 30, 2024] (1101-1122)

UA, EUROPEAN RUSSIA. Special callsigns **R2Ø24DX** and **UE34DX** will be active on **November 18th-30th** to celebrate the 34th anniversary of the Miller DX Club. QSLs via [RQ7L](#).
-[425DXN # 1750 November 16, 2024] (1115-1129)

V4, ST. KITTS & NEVIS. Andy, N2NT will be active on 160-6 meters as **V47NT** from St. Kitts (NA-104) on **November 17th-26th**. He will participate in the CQ WW DX CW Contest (November 23rd-24th) as **V47T**. QSL for both callsigns via [W2RQ](#).
-[425DXN # 1749 November 9, 2024] (1115-1129)

VP8, FALKLAND IS. Gerben, PG5M is QRV as **VP8G** **until November 25th**. Activity is on 40 to 6 meters, primarily on CW and FT8 (using MSHV). See <https://dx.to/vp8g/> for more information. QSL via [MØOXO's OQRS](#) and LoTW.
-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1129)

VP9, BERMUDA. Darrell, AB2E and John, K3TEJ will be active as **AB2E/VP9** and **K3TEJ/VP9** from Bermuda (NA-005) on **November 20th-26th**. They will operate CW, SSB and FT8 on 160-10 meters, with a focus on 30, 17 and 12 meters. They will participate in the CQ WW DX CW Contest (November 23rd-24th) as **VP9I**. QSL AB2E/VP9 via [AB2E](#) or LoTW; QSL K3TEJ/VP9 via [K3TEJ](#) or LoTW; QSL VP9I via LoTW, or via [WW3S](#).
-[425DXN # 1750 November 16, 2024] (1115-1129)

VU, INDIA. Datta, VU2DSI is QRV as **AU2JCB** until **December 16th** to commemorate the birthdate (November 30, 1858) of Indian physicist and radio pioneer Jagadish Chandra Bose. Activity is on 80 to 6 meters using SSB, and FM on 10 and 6 meters. QSL direct to [VU2DSI](#).

-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1213)

XV, VIET NAM. Juris, YL2GM and Eugene, EA5EL will be active as **XV9X** from Phu Quoc Island (AS-128), Viet Nam from **November 19th to December 2nd**. They will operate CW, SSB and FT8 on 160-10 meters with two stations. See <https://www.lral.lv/xv9x/index.html> for more information and updates. Full LoTW upload six months after the end of the DXpedition. QSL via [ClubLog's OQRS](#) (preferred), or direct to [YL2GN](#).

-[425DXN # 1750 November 16, 2024] (1115-1206)

XZ, MYANMAR. Simon, XWØLP, plans to return to Mandalay, Myanmar in a few weeks for educational voluntary work despite ongoing civil unrest and hopes to renew his **XZ2A** operating permit. Currently it appears that an operating permit is unlikely.

-[DXNL # 2432 November 13, 2024] (1115-1129)

YN, NICARAGUA. Mike, AJ9C, operates as **YN2CC** from **November 19th to 28th**, including the CQ WW CW Contest (November 23rd-24th). QSL via [AJ9C](#).

-[DXNL # 2432 November 13, 2024] (1115-1129)

Z6, REPUBLIC OF KOSOVO. Rene, DL2JRM will be QRV as **Z68XX** during the Worked All Europe DX RTTY contest (**November 9th-10th**) and as **Z66BCC** during the upcoming CQ World Wide DX CW contest (**November 23rd-24th**). QSL both calls via [DL2JRM](#).

-[ARRL DX Bulletin # 42 November 7, 2024] (1108-1129)

ZD7, ST HELENA. Andy, 5Z4VJ, activates St. Helena (AF-022) as **ZD7VJ** from **November 16th to 30th**, mostly on CW. QRV during the CQ WW CW Contest (November 23rd-24th) only on 10m. QSL via [MØURX's OQRS](#), LoTW.

-[DXNL # 2432 November 13, 2024] (1115-1129)

ZD7, SAINT HELENA. JM1GDA as **ZD7G** and JF3SFU as **ZD7SFU** are active holiday style from ZD7CTO's rental shack on Saint Helena Island (AF-022) until **November 22nd**. They will operate mainly FT8 (F/H) with some SSB and slow CW on 160-10 meters. QSL via LoTW, [ClubLog's OQRS](#), or direct: ZD7G via [JM1GDA](#) and ZD7SFU via [JF3SFU](#).

-[425DXN # 1747 October 26, 2024] (1101-1122)

ZD7, ST. HELENA. Oliver, W6NV will be QRV as **ZD7W** in the CQ WW DX SSB contest (**October 26th-27th**) and upcoming CQ WW DX CW contest (**November 23rd-24th**). QSL to [W6NV](#).

-[ARRL DX Bulletin # 40 October 24, 2024] (1025-1129)

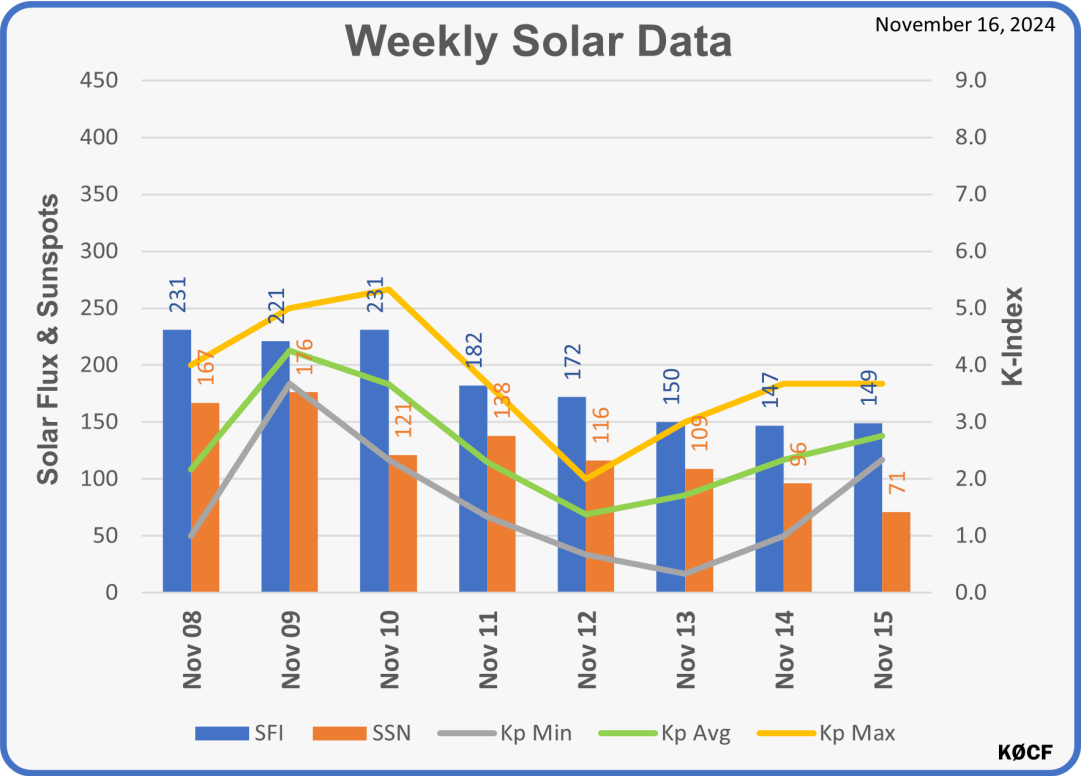
ZL, NEW ZEALAND. Special event station **ZM1ØØDX** will be QRV from **September 29th to December 26th** to celebrate the very first trans-world QSO between Z4AA and G2SZ. Activity will be on 160 to 6 meters using all modes. In addition, special event station **ZL4AA** will also be active for this event. QSL via operators' instructions.

-[ARRL DX Bulletin # 36 September 26, 2024] (0927-1227)

ZL7, CHATHAM IS. Holger, ZL3IO and Xenia, ZL4YL will be QRV as **ZL7IO** and **ZL7YL**, respectively, from **November 19th to 26th**. Activity will be on the HF bands. This includes being active in the upcoming CQ Worldwide DX CW contest (November 23rd-24th). QSL via [DK7AO](#), LoTW or [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 43 November 14, 2024] (1115-1129)

Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (Kp) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

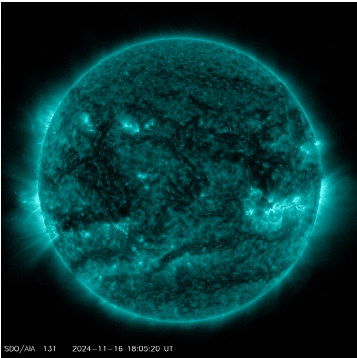
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



Propagation Summary

For the 8 day period from Friday, November 8th through yesterday, November 15th.

The average solar flux was 179, down 65 points from the previous week, with a weekly high of 231 on Sunday, November 10th, followed by a low of 147 on November 14th.

The average sunspot count was 118, down by 66 from last week, peaking at 176 on Saturday, November 9th followed by a weekly low of 71 on November 15th.

The Planetary K-index weekly average was 3.8 with a maximum of 5.3 on Sunday, November 10th, resulting in minor geomagnetic storm conditions. Yesterday's K-index maximum was 3.7 with generally quiet conditions.

Solar flare activity since November 9th has been moderate with 8 major flares, the largest of which was an M 9.4 event on Sunday, November 10th.

Propagation Data

Major solar flares, Saturday, November 9th through 1416 UTC, November 16th.

#	Date	UTC	Mag.
1	Nov 16	0137	M 1.6
2	Nov 15	0146	M 1.1
3	Nov 13	1708	M 1.7
4	Nov 11	0543	M 1.4
5	Nov 10	2021	M 4.9
6	Nov 10	1206	M 9.4
7	Nov 10	0015	M 4.2
8	Nov 09	2050	M 1.3

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Nov 16	60%	20%	145
Nov 17	60%	20%	145
Nov 18	60%	20%	140

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on November 11, 2024).

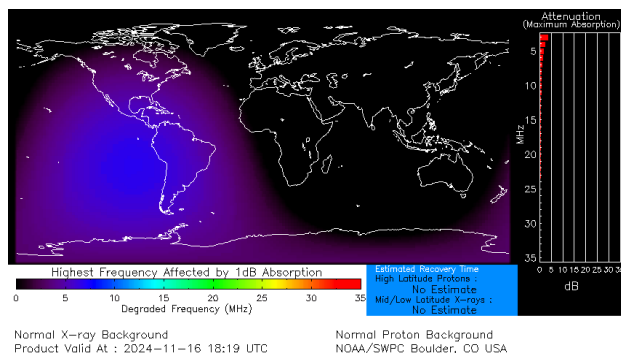
Date	Flux	Kp
Nov 16	215	3
Nov 17	220	2
Nov 18	230	3
Nov 19	235	2

Date	Flux	Kp
Nov 20	235	4
Nov 21	240	2
Nov 22	240	2
Nov 23	240	2

Date	Flux	Kp
Nov 24	245	2
Nov 25	245	3
Nov 26	240	3
Nov 27	245	3

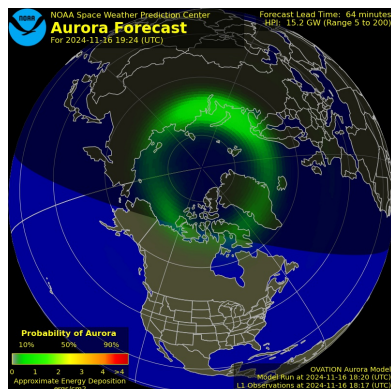
Global D Region Absorption

Conditions in the D-region of the ionosphere have a dramatic effect on HF communications. The D-Region Absorption map combines the effects of solar particles and photons. Yellow to red colors on the map depict increasing signal attenuation, where the bar chart at the right displays attenuation versus frequency. Click the thumbnail below for an animated map of D-Region Absorption:



The Aurora Borealis

The aurora is not only beautiful to see but can have a profound impact on HF and VHF radio propagation. For the HF operator, auroras can result in a complete shut-down of propagation. However, on VHF, auroras present interesting DX possibilities. Beam antennas are very desirable and should be pointed north, towards the aurora. Signals are reflected by "back-scatter" and will be distorted with a rough buzz. SSB is the best voice mode to use, but copy can be difficult. CW will have a rough buzzy sound but be perfectly copyable. Click the thumbnail below for an animated map of aurora versus time:



Highs for Cycle 25

Solar Flux: 336 on August 8, 2024.

Sunspots: 382 on August 10, 2024.

Quiet Weekend

Solar activity will probably be low this weekend. There is a potent sunspot on the solar disk, AR3886, but it has resisted flaring for more than a week. Of greater interest is an enormous [filament of magnetism](#) straddling the sun's southern hemisphere. Earth will be in the line of fire if it lifts off. Otherwise, the forecast calls for quiet.

(Copyright © [SpaceWeather.com](https://www.spaceweather.com) November 16, 2024. Republished by permission.)

Popular Propagation web sites

<https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)

NOAA <https://www.swpc.noaa.gov/>

<https://www.spaceweather.com/>

<https://www.solarham.com/>

<https://dx.qsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!
-[Compiled from information on NOAA.gov and other sources]

Contest Calendar

Weekly Contests

Contest	Start UTC		End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z	Rules
ICWC Medium Speed Test	Monday	1300Z	1400Z	Rules
	Monday	1900Z	2000Z	
	Tuesday	0300Z	0400Z	
CWops Test (CWT)	Wednesday	1300Z	1400Z	Rules
	Wednesday	1900Z	2000Z	
	Thursday	0300Z	0400Z	
	Thursday	0700Z	0800Z	
Weekly RTTY Test	Friday	0145Z	0215Z	Rules
NCCC CW Sprint (NS)	Friday	0230Z	0300Z	Rules

Note: Start Days are in UTC, e.g. Monday at 0000 UTC is Sunday at 7:00 PM in the Central Daylight Saving Time zone, or Sunday at 6:00 PM in the Central Standard Time zone.

Full Calendar

Contest	Start		End		Web Site
LZ DX Contest	Nov 16	1200Z	Nov 17	1200Z	Rules
ARRL Sweepstakes Contest, SSB	Nov 16	2100Z	Nov 18	0300Z	Rules
CQ Worldwide DX Contest, CW	Nov 23	0000Z	Nov 24	2400Z	Rules
ARRL 160-Meter Contest	Dec 6	2200Z	Dec 8	1600Z	Rules
ARRL 10-Meter Contest	Dec 14	0000Z	Dec 15	2359Z	Rules
OK DX RTTY Contest	Dec 21	0000Z	Dec 21	2400Z	Rules

Croatian DX Contest	Dec 21	1400Z	Dec 22	1400Z	Rules
ARRL Rookie Roundup, CW	Dec 22	1800Z	Dec 22	2359Z	Rules
RAC Winter Contest	Dec 28	0000Z	Dec 28	2359Z	Rules
Stew Perry Topband Challenge	Dec 28	1500Z	Dec 29	1500Z	Rules
ARRL RTTY Roundup	Jan 4	1800Z	Jan 5	2400Z	Rules
ARRL Kids Day	Jan 4	1800Z	Jan 4	2359Z	Rules
YB DX Contest	Jan 11	0000Z	Jan 11	2359Z	Rules
North American QSO Party, CW	Jan 11	1800Z	Jan 12	0600Z	Rules
Hungarian DX Contest	Jan 18	1200Z	Jan 19	1200Z	Rules
North American QSO Party, SSB	Jan 18	1800Z	Jan 19	0600Z	Rules
ARRL January VHF Contest	Jan 18	1900Z	Jan 20	0359Z	Rules
CQ 160-Meter Contest, CW	Jan 24	2200Z	Jan 26	2159Z	Rules
BARTG RTTY Sprint	Jan 25	1200Z	Jan 26	1200Z	Rules
Winter Field Day	Jan 25	1700Z	Jan 26	1700Z	Rules
Vermont QSO Party	Feb 1	0000Z	Feb 2	2400Z	Rules
10-10 Int. Winter Contest, SSB	Feb 1	0001Z	Feb 2	2359Z	Rules
Mexico RTTY International Contest	Feb 1	1200Z	Feb 2	2359Z	Rules
Minnesota QSO Party	Feb 1	1400Z	Feb 1	2400Z	Rules
British Columbia QSO Party	Feb 1	1600Z	Feb 2	2400Z	Rules
North American Sprint, CW	Feb 2	0000Z	Feb 2	0359Z	Rules
CQ WW RTTY WPX Contest	Feb 8	0000Z	Feb 9	2400Z	Rules
ARRL School Club Roundup	Feb 10	1300Z	Feb 14	2359Z	Rules
ARRL Inter. DX Contest, CW	Feb 15	0000Z	Feb 16	2400Z	Rules

-[Contest data courtesy of the [WA7BNM Contest Calendar](#)]